HART COUNTY REPORT
OF
ENDANGERED, THREATENED, AND SPECIAL CONCERN
PLANTS, ANIMALS, AND NATURAL COMMUNITIES
OF
KENTUCKY

KENTUCKY STATE NATURE
PRESERVES COMMISSION
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Data Current as of February 2006

Kentucky State Nature Preserves Commission
Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none E = endangered T = threatened S = special concern H = historic X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none C = candidate LT = listed as threatened LE = listed as endangered

SOMC = Species of Management Concern

RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled
G2 = Imperiled
G3 = Vulnerable
G4 = Apparently secure
G5 = Secure
GH = Historic, possibly extinct
GX = Presumed extinct
GU = Unrankable
G#? = Inexact rank (e.g. G2?)
G#Q = Questionable taxonomy
G#T# = Infraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)
GNR = Unranked
GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled
S2 = Imperiled
S3 = Vulnerable
S4 = Apparently secure
S5 = Secure
SH = Historic, possibly extirpated
SX = Presumed extirpated
SU = Unrankable
S#? = Inexact rank (e.g. G2?)
S#Q = Questionable taxonomy
S#T# = Infraspecific taxa
SNR = Unranked
SNA = Not applicable

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):
S#B = Rank of breeding population
S#N = Rank of non-breeding population
S#M = Rank of transient population

COUNT DATA FIELDS

OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county
H - reported from the county but not seen for at least 20 years
F - reported from county & cannot be relocated but for which further inventory is needed
X - known to be extirpated from the county
U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
	Habitat					E	H	F	X	U
Hart	Vascular Plants	*Adiantum capillus-veneris*	Southern Maidenhair-fern	T /	G5 / S2	1	0	0	0	0
	Moist to wet limestone seeps. reported on shale, often in association with waterfalls or near travertine deposits..									
Hart	Vascular Plants	*Aureolaria patula*	Spreading False Foxglove	S /	G3 / S3	1	1	0	0	0
	WOODS (GLEASON & CRONQUIST 1991); OPENINGS ALONG LIMESTONE RIVER BLUFFS.									
Hart	Vascular Plants	*Carex decomposita*	Epiphytic Sedge	T /	G3 / S2	1	0	0	0	0
	Swamps, sinkhole ponds, often on floating logs; also often growing on cypress knees, cypress bases (often at or near water level) (Weakley 1998)..									
Hart	Vascular Plants	*Carex straminea*	Straw Sedge	T /	G5 / S2?	1	0	0	0	0
	Swamps and wet meadows.									
Hart	Vascular Plants	*Circaea alpina*	Small Enchanter's Nightshade	S /	G5 / S3	1	0	0	0	0
	COOL MOIST WOODS AND OPENINGS INCLUDING MESIC WOODED RAVINES.									
Hart	Vascular Plants	*Dodecatheon frenchii*	French's Shooting Star	S /	G3 / S3	0	1	0	0	0
	OCCURS ON OR UNDER SHADED CLIFFS, SUCH AS SANDSTONE ROCKHOUSES, SOUTH OF THE GLACIAL BOUNDARY (GLEASON & CRONQUIST 1991).									
Hart	Vascular Plants	*Gentiana puberulenta*	Prairie Gentian	E /	G4G5 / S1	0	1	0	0	0
	Dry calcareous prairies (cedar glades), barrens and sandy ridges.									
Hart	Vascular Plants	*Glyceria acutiflora*	Sharp-scaled Manna-grass	E /	G5 / S1S2	1	0	0	0	0
	Shallow water and wet mucky soils in mountain ponds, wet pastures (Weakley 1998); muddy pools and pond margins.									
Hart	Vascular Plants	*Helianthemum bicknellii*	Plains Frostweed	E /	G5 / S1S2	0	1	0	0	0
	Prairies, rocky open areas. Dry, sandy soil. Also woodlands and glades (Weakley 1998).									
Hart	Vascular Plants	*Helianthus eggertii*	Eggert's Sunflower	T /	G3 / S2	16	0	0	1	0
	Open oak hickory forest on the highland rim in KY; rocky hills and barrens and roadside remnants of this habitat.									
Hart	Vascular Plants	*Liatris cylindracea*	Slender Blazingstar	T /	G5 / S2S3	3	0	1	0	0
	Dry calcareous or siliceous soil, hillside glades, prairie openings.									
Hart	Vascular Plants	*Podostemum ceratophyllum*	Threadfoot	S /	G5 / S3	1	0	0	0	0
	SWIFTLY FLOWING WATER, ATTACHED TO ROCKS IN RAPIDS OF LARGER RIVERS									
Hart	Vascular Plants	*Pontederia cordata*	Pickerel-weed	T /	G5 / S1S2	0	1	0	0	0
	Marshes and shallow water, sloughs, open swamps, and oxbow lakes.									
Hart	Vascular Plants	*Silene regia*	Royal Catchfly	E /	G3 / S1	1	0	0	0	0
	Dry woods, barrens and prairies, and on KY roadsides.									
Hart	Vascular Plants	*Silphium pinnatifidum*	Tansy Rosinweed	S /	G3Q / S3	5	0	0	0	0
	BARRENS AND PRAIRIES.									
Hart	Vascular Plants	*Symphyotrichum pratense*	Barrens Silky Aster	S /	GNR / S3	3	0	0	0	0
	Open dry woods, bluffs and prairies. Occurs with prairie vegetation and in cedar glades in KY.									
Hart	Vascular Plants	*Trifolium reflexum*	Buffalo Clover	E /	G3G4 / S1S2	0	1	0	0	0
	Prairies and disturbed openings either associated with forests or opportunistically in fields or well-drained sites.									
Hart	Vascular Plants	*Viola septemloba var. egglestonii*	Eggleston's Violet	S /	G4 / S3	0	0	1	0	0
	CALCAREOUS BARRENS, GLADES AND DRY PRAIRIES ON SILURIAN AND MISSISSIPPIAN LIMESTONES.									

County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
	Habitat					**E**	**H**	**F**	**X**	**U**
Hart	Gastropods	*Antroselates spiralis*	Shaggy Cavesnail	S /	G3G4 / S2	3	0	0	0	0
	Found on the undersides of large stones in running water of springs and streams in caves (Hubricht 1963, Burch 1989). Occurs only in base-level cave streams and their spring orifices, and was taken on the undersides of submerged planks and slabs of breakdown in deep water (Lewis 1993a).									
Hart	Gastropods	*Paravitrea lapilla*	Gem Supercoil	T /	G1 / S1	0	1	0	0	0
	Under moist leaf litter on wooded hillsides and ravines (Hubricht 1985).									
Hart	Freshwater Mussels	*Alasmidonta marginata*	Elktoe	T / SOMC	G4 / S2	6	3	0	0	0
	Occurs in large to medium size streams but more typical of smaller streams (Buchanan 1980, Goodrich and Van Der Schalie 1944, Oesch 1984, Parmalee 1967, Wilson and Clark 1914). Sometimes found in lakes connected to rivers. Parmalee (1967) reported the preferred habitat to be small streams with good current sand or gravel bottoms, and depth of several inches to two feet. Buchanan (1980) found this species to be common in gravel and cobble substrate in 2 to 18 inches of water, Neel and Allen (1964) found this species to be more abundant in the mainstream Cumberland River than in small streams.									
Hart	Freshwater Mussels	*Cumberlandia monodonta*	Spectaclecase	E / C	G2G3 / S1	4	0	3	1	0
	Usually found in medium to large rivers where it inhabits substrate ranging from silt to rubble and boulders in slow to swift currents of shallow to deep water (Ahlstedt 1984, Bogan and Parmalee 1983, Buchanan 1980, Nelson and Freitag 1980, Parmalee 1967). Sometimes found in or near vegetation beds, and in mud between boulders adjacent to swift water (Stansbery 1966). May become established in wing dams (Nelson and Freitag 1980).									
Hart	Freshwater Mussels	*Cyprogenia stegaria*	Fanshell	E / LE	G1 / S1	27	3	7	0	0
	MEDIUM TO LARGE STREAMS AND RIVERS WITH MODERATE TO STRONG CURRENT IN COARSE SAND AND GRAVEL AND DEPTH RANGING FROM SHALLOW TO DEEP (GOODRICH AND VAN DER SCHALIE 1944, NEEL AND ALLEN 1964, PARMALEE 1967, JOHNSON 1980, GORDON AND LAYZER 1989).									
Hart	Freshwater Mussels	*Epioblasma obliquata obliquata*	Catspaw	E / LE	G1T1 / S1	0	0	0	1	0
	INHABITS MEDIUM TO LARGE RIVERS IN RIFFLES, SHOALS, AND/OR DEEP WATER IN SWIFT CURRENT (BOGAN AND PARMALEE 1983, PARMALEE 1967, WILSON AND CLARK 1914).									
Hart	Freshwater Mussels	*Epioblasma torulosa rangiana*	Northern Riffleshell	E / LE	G2T2 / S1	1	4	5	1	0
	RIFFLES OR SHOALS WITH CURRENT AND SUBSTRATE OF SAND AND/OR GRAVEL IN SMALL TO MODERATE-SIZE RIVERS (CLARKE 1981, WATTERS 1987).									
Hart	Freshwater Mussels	*Epioblasma triquetra*	Snuffbox	E / SOMC	G3 / S1	3	2	10	1	0
	Occurs in medium-sized streams to large rivers generally on mud, rocky, gravel, or sand substrates in flowing water (Baker 1928, Buchanan 1980, Johnson 1978, Murrary and Leonard 1962, Parmalee 1967). Often deeply buried in substrate and overlooked by collectors.									
Hart	Freshwater Mussels	*Fusconaia subrotunda subrotunda*	Longsolid	S /	G3T3 / S3	20	2	9	1	0
	GRAVEL BARS AND DEEP POOLS IN LARGE RIVERS AND LARGE TO MEDIUM-SIZED STREAMS (AHLSTEDT 1984, GOODRICH AND VAN DER SCHALIE 1944, NEEL AND ALLEN 1964, PARMALEE 1967).									
Hart	Freshwater Mussels	*Lampsilis abrupta*	Pink Mucket	E / LE	G2 / S1	1	0	0	0	0
	Large rivers in habitats ranging from silt to boulders, but apparently more commonly from gravel and cobble. Collected from shallow and deep water with current velocity ranging from zero to swift (Ahlstedt 1983, Bogan and Parmalee 1983, Buchanan 1980), but never standing pools of water (Lauritsen 1987).									
Hart	Freshwater Mussels	*Lampsilis ovata*	Pocketbook	E /	G5 / S1	24	0	2	0	0
	Considered a large river species (Clench and Van Der Schalie 1944, Parmalee 1967, Stansbery 1976), but occurs in medium-sized streams in gravel, sand, or even mud (Parmalee 1967, Johnson 1970, Gordon and Layzer 1989). In the Lower Wabash and Ohio Rivers specimens were taken in deep water (6-10 feet or more) in current from sand or gravel.									
Hart	Freshwater Mussels	*Obovaria retusa*	Ring Pink	E / LE	G1 / S1	3	1	5	1	0
	LARGE RIVER SPECIES THAT INHABITS GRAVEL AND SAND BARS (BOGAN AND PARMALEE 1983, GOODRICH AND VAN DER SCHALIE 1944, NEEL AND ALLEN 1964, STANSBERY 1976).									
Hart	Freshwater Mussels	*Plethobasus cyphyus*	Sheepnose	E / C	G3 / S1	22	0	0	0	0
	Usually found in large rivers in current on mud, sand, or gravel bottoms at depth of 1-2 meters or more (Baker 1928, Parmalee 1967, Gordon and Layzer 1989).									
Hart	Freshwater Mussels	*Pleurobema clava*	Clubshell	E / LE	G2 / S1	1	3	3	2	0
	This species is an inhabitant of small streams and rivers (Goodrich and Van Der Schalie 1944; Ortmann 1919,1925), although in Kentucky it is known from moderately large rivers. Often deeply buried in the substrate and consequently difficult to find (Watters 1987).									

County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
	Habitat					E	H	F	X	U
Hart	Freshwater Mussels	*Pleurobema plenum*	Rough Pigtoe	E / LE	G1 / S1	4	1	1	0	0
	MEDIUM TO LARGE RIVERS IN SAND, GRAVEL, AND COBBLE SUBSTRATES (AHLSTEDT 1984, BOGAN AND PARMALEE 1983, CLARKE 1981, NEEL AND ALLEN 1964).									
Hart	Freshwater Mussels	*Pleurobema rubrum*	Pyramid Pigtoe	E / SOMC	G2 / S1	5	0	2	0	0
	INHABITS MEDIUM TO LARGE RIVERS AND USUALLY OCCURS IN SAND OR GRAVEL BOTTOMS IN DEEP WATERS (AHLSTEDT 1984, MURRAY AND LEONARD 1962, PARMALEE ET AT. 1982).									
Hart	Freshwater Mussels	*Quadrula cylindrica cylindrica*	Rabbitsfoot	T / SOMC	G3T3 / S2	15	0	3	1	0
	SMALL TO LARGE RIVERS WITH SAND, GRAVEL, AND COBBLE AND MODERATE TO SWIFT CURRENT, SOMETIMES IN DEEP WATER (PARMALEE 1967, BOGAN AND PARMALEE 1983).									
Hart	Freshwater Mussels	*Simpsonaias ambigua*	Salamander Mussel	T / SOMC	G3 / S2S3	0	0	1	0	0
	OFTEN FOUND BURIED IN SUBSTRATE SUCH AS SOFT MUD AND/OR GRAVEL, AND/OR UNDER FLAT STONES IN SHALLOW WATER IN SMALL STREAMS WHERE THE CURRENT MAY BE SWIFT (BAKER 1928, BUCHANAN 1980, GOODRICH AND VAN DER SCHALIE 1944).									
Hart	Freshwater Mussels	*Villosa lienosa*	Little Spectaclecase	S /	G5 / S3S4	1	2	3	0	0
	INHABITS SMALL TO MEDIUM-SIZED RIVERS, USUALLY IN SHALLOW WATER ON A SAND/MUD/DETRITUS BOTTOM (PARMALEE 1967, GORDON AND LAYZER 1989).									
Hart	Freshwater Mussels	*Villosa ortmanni*	Kentucky Creekshell	T / SOMC	G2 / S2	7	1	9	0	0
	Free-flowing, upland rivers that range in size from small (1st order) spring fed streams to the Green River (Cicerello 1994). Many flow permanently, but others sometimes have no flow. Substrates range from cobble and boulder with mixed gravel and sand over bedrock to clayey-mud. Depths range from less than 6 inches to more than 2 meters.									
Hart	Arachnids	*Kleptochthonius attenuatus*	A Cave Obligate Pseudoscorpion	T /	G1 / S1	0	1	0	0	0
	A CAVE OBLIGATE SPECIES.									
Hart	Crustaceans	*Barbicambarus cornutus*	Bottlebrush Crayfish	S /	G3G4 / S2	3	1	0	0	0
	LIVES UNDER OR NEAR LARGE, FLAT COBBLES OR BOULDERS IN STREAMS.									
Hart	Crustaceans	*Bryocamptus morrisoni elegans*	A Copepod	T /	G3G4T3T4 / S1	0	1	0	0	0
	TROGLOBITIC COPEPOD THAT INHABITS POOLS (LEWIS 1993).									
Hart	Crustaceans	*Orconectes inermis inermis*	Ghost Crayfish	S /	G5T3T4 / S3	2	4	2	0	0
	SUBTERRANEAN WATERS (HOBBS 1989).									
Hart	Crustaceans	*Orconectes pellucidus*	Mammoth Cave Crayfish	S / SOMC	G5 / S3	1	2	0	0	0
	SUBTERRANEAN WATERS (HOBBS 1976).									
Hart	Crustaceans	*Palaemonias ganteri*	Mammoth Cave Shrimp	E / LE	G1 / S1	5	0	0	0	0
	LARGE BASE LEVEL STREAM PASSAGES (I.E., LOWEST LEVEL) AND ASSOCIATED TRIBUTARIES CHARACTERIZED BY SLOW FLOW, COARSE TO FINE GRAIN SAND AND COARSE SILT SEDIMENTS, AND ABUNDANT QUANTITIES OF ORGANIC MATERIAL (USFWS 1988).									
Hart	Crustaceans	*Stygobromus vitreus*	An Amphipod	S /	G4 / S1	2	0	0	0	0
	SMALL DRIP AND SEEP POOLS IN CAVES, BUT OCCASIONALLY IS FOUND IN SURFACE SEEPS IN THE MAMMOTH CAVE AREA (HOLSINGER 1972).									
Hart	Insects	*Celithemis verna*	Double-ringed Pennant	H /	G5 / SH	0	1	0	0	0
	PONDS, LAKES, AND RARELY DITCHES AND STREAMS, WITH SPARSE EMERGENT PLANTS OR A MARGINAL ZONE OF GRASSY PLANTS (DUNKLE 1989). USUALLY FOUND AT NEWLY CREATED OR INFERTILE WATERS (DUNKLE 1989), BUT IN KENTUCKY IT HAS BEEN FOUND IN A EUTROPHIC POND.									
Hart	Insects	*Erora laeta*	Early Hairstreak	T /	G3G4 / S1	0	0	0	1	0
	DECIDUOUS OR MIXED WOODS -- OFTEN ALONG DIRT ROADS OR OPEN RIDGETOPS (OPLER AND MALIKUL 1992).									
Hart	Insects	*Pseudanophthalmus audax*	Bold Cave Beetle	T / SOMC	G1G2 / S1	0	1	0	0	0
	USUALLY CAVES, UNKOWN IF IT OCCURS IN NON-CAVE MICROHABITAT. HYPOTHESIZED THAT IT MAY LIVE IN SMALLER INTERSTICES INACCESSIBLE TO HUMANS. DURING DRY PERIODS (FALL) THE SPECIES DESCENDS INTO THE CAVE (BARR 1994a, b).									
Hart	Insects	*Pseudanophthalmus globiceps*	Round-headed Cave Beetle	T / SOMC	G1 / S1	1	0	0	0	0
	FOUND BENEATH DAMP, ROTTING BOARDS IN BARNES SMITH CAVE (BARR 1994a).									

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	Habitat					E	H	F	X	U
Hart	Insects	*Pseudanophthalmus simulans*	Cub Run Cave Beetle	T / SOMC	G1 / S1	0	0	1	0	0
Hart	Insects	*Stylurus notatus*	Elusive Clubtail	E / SOMC	G3 / S1	0	1	0	0	0
	LARGE-RIVER SPECIES (SCHWEITZER 1989).									
Hart	Insects	*Tychobythinus hubrichti*	A Cave Obligate Beetle	T /	G1G2 / S1S2	0	1	0	0	0
	A CAVE OBLIGATE SPECIES.									
Hart	Fishes	*Amblyopsis spelaea*	Northern Cavefish	S / SOMC	G4 / S3	1	2	1	0	0
	SUBTERRANEAN STREAMS WITH CONSOLIDATED MUD-ROCK SUBSTRATES IN SHOALS AND SILT-SAND SUBSTRATES IN POOLS (KUEHNE 1962, POULSON 1963, CLAY 1975, COOPER 1980).									
Hart	Fishes	*Etheostoma maculatum*	Spotted Darter	T / SOMC	G2 / S2	13	0	0	0	0
	INHABITS MEDIUM TO LARGE STREAMS WHERE IT OCCURS AMONG COARSE GRAVEL, COBBLE AND BOULDERS IN SWIFT RIFFLES AND SHOALS (KUEHNE AND BARBOUR 1983, PAGE 1983, ZORACH AND RANEY 1967, STILES 1972, BURR AND WARREN 1986, KESSLER 1992).									
Hart	Fishes	*Hybopsis amnis*	Pallid Shiner	E / SOMC	G4 / S1	0	1	0	0	0
	Sandy and silty pools of medium to large rivers (page and Burr 1991).									
Hart	Fishes	*Lampetra appendix*	American Brook Lamprey	T /	G4 / S2	2	0	0	0	0
	Raceways, riffles, and flowing margins of permanently flowing streams and rivers with gravel, sand and sediment bottoms (Burr and Warren 1986). Ammocoetes live in sand and sediment of pools and backwaters.									
Hart	Fishes	*Phenacobius uranops*	Stargazing Minnow	S /	G4 / S2S3	6	2	0	0	0
	INHABITS MEDIUM-SIZE STREAMS TO SMALL RIVERS WITH HIGH GRADIENT, PERMANENT FLOW, CLEAR WATER, AND PEBBLE AND GRAVEL SUBSTRATES (BURR AND WARREN 1986).									
Hart	Fishes	*Typhlichthys subterraneus*	Southern Cavefish	S / SOMC	G4 / S2S3	1	1	0	0	0
	Subterranean waters where limestone bedrocks are honeycombed by subsurface drainages. Occurs in cave streams, most frequently over mixed gravel, sand, and mud, or rubble substrates and may occur at springs and wells (Cooper 1980, Cooper and Beiter 1972, Pflieger 1975, Starnes and Etnier 1980, Burr and Warren 1986).									
Hart	Amphibians	*Cryptobranchus alleganiensis alleganiensis*	Eastern Hellbender	S / SOMC	G3G4T3T4 / S3	2	1	0	0	0
	CONFINED TO RUNNING WATERS OF FAIRLY LARGE STREAMS AND RIVERS.									
Hart	Reptiles	*Elaphe guttata guttata*	Corn Snake	S /	G5T5 / S3	9	2	0	0	0
	The species is found in virtually all upland situations including prairie, fields, woods, and around settlements and buildings, especially cornfields (Wright and Wright 1957). Apparently they do not occur in bottomlands since these are not included in any references. In KY, the species has been found everywhere from woodlands to cultivated fields, preferring woodland edge and overgrown fence rows. The species often burrows under cover and can be found occasionally under logs, rocks, debris, etc.									
Hart	Reptiles	*Eumeces inexpectatus*	Southeastern Five-lined Skink	S /	G5 / S3	0	2	0	0	0
	OPEN WOODLANDS, EDGES.									
Hart	Reptiles	*Lampropeltis triangulum elapsoides*	Scarlet Kingsnake	S /	G5T5 / S3	0	1	0	0	0
	Burrows in soft soils of upland oak and oak-hickory forests, may also occur in oak-pine.									
Hart	Reptiles	*Ophisaurus attenuatus longicaudus*	Eastern Slender Glass Lizard	T /	G5T5 / S2	1	2	0	0	0
	THIS TERRESTRIAL LIZARD INHABITS GRASSY FIELDS, BRUSHY AREAS, OPEN WOODLANDS, AND SEEMS TO PREFER DRIER, UPLAND SITES. LIKELY OCCURRED IN NATIVE GRASSLANDS, AND REMAINS MOST COMMON IN BARRENS TYPE VEGETATION.									
Hart	Reptiles	*Pituophis melanoleucus melanoleucus*	Northern Pine Snake	T / SOMC	G4T4 / S2	1	1	0	0	1
	The Northern Pine Snake inhabits dry woodlands and edges, especially in upland oak, oak-hickory, and oak-pine forests. Soft, sandy soils may be critical for burrowing.									
Hart	Breeding Birds	*Aimophila aestivalis*	Bachman's Sparrow	E / SOMC	G3 / S1B	0	0	0	1	0
	OPEN PINE WOODS WITH SCATTERED BUSHES OR UNDERSTORY, BRUSHY OR OVERGROWN HILLSIDES, OVERGROWN FIELDS WITH THICKETS AND BRAMBLES, GRASSY ORCHARDS.									

County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
	Habitat					**E**	**H**	**F**	**X**	**U**
Hart	Breeding Birds	*Ammodramus henslowii*	Henslow's Sparrow	S / SOMC	G4 / S3B	1	0	0	0	0
	OPEN FIELDS & MEADOWS W/ GRASS INTERSPERSED W/ WEEDS OR SHRUBBY VEG., ESPEC. IN DAMP OR LOW-LYING AREAS, ADJACENT TO SALT MARSH IN SOME AREAS. IN MIGRATION & WINTER ALSO IN GRASSY AREAS ADJACENT TO PINE WOODS OR SECOND-GROWTH WOODS.									
Hart	Breeding Birds	*Circus cyaneus*	Northern Harrier	T /	G5 / S1S2B,S4N	1	0	0	0	0
	MARSHES, MEADOWS, GRASSLANDS, AND CULTIVATED FIELDS. PERCHES ON GROUND OR ON STUMPS OR POSTS. WINTER ROOSTS IN UNDISTURBED FIELDS OR MARSHES (B82EVA01NA).									
Hart	Breeding Birds	*Thryomanes bewickii*	Bewick's Wren	S / SOMC	G5 / S3B	1	0	0	0	0
	BRUSHY AREAS, THICKETS AND SCRUB IN OPEN COUNTRY, OPEN AND RIPARIAN WOODLAND, AND CHAPARRAL, MORE COMMONLY IN ARID RE- GIONS BUT LOCALLY ALSO IN HUMID AREAS (SUBTROPICAL AND TEM- PERATE ZONES) (B83COM01NA). FOUND IN COUNTRY TOWNS AND FARMS									
Hart	Breeding Birds	*Tyto alba*	Barn Owl	S /	G5 / S3	2	0	0	0	0
	OPEN AND PARTLY OPEN COUNTRY IN A WIDE VARIETY OF SITUATIONS, OFTEN AROUND HUMAN HABITATION (B83COM01NA). IN NORTHERN WINTER OFTEN ROOSTS IN DENSE CONIFERS; ALSO ROOSTS IN NEST BOXES IF AVAILABLE (A85MAR01NA).									
Hart	Mammals	*Corynorhinus rafinesquii*	Rafinesque's Big-eared Bat	S / SOMC	G3G4 / S3	1	0	0	0	0
	Rafinesque's big-eared bats use a variety of sites for roosting including caves, protected sites along clifflines, old mine portals, abandoned tunnels, cisterns, old or seldom used buildings, etc. Apparently less frequently use tree cavities.									
Hart	Mammals	*Myotis austroriparius*	Southeastern Myotis	E / SOMC	G3G4 / S1S2	1	0	0	0	0
	THE SOUTHEASTERN MYOTIS USES PRIMARILY CAVES FOR HIBERNACULA AND SUMMER MATERNITY AND ROOSTING SITES.									
Hart	Mammals	*Myotis grisescens*	Gray Myotis	T / LE	G3 / S2	2	2	1	0	0
	Gray bats use primarily caves throughout the year, although they move from one cave to another seasonally. Males and young of the year use different caves in summer than females.									
Hart	Mammals	*Myotis sodalis*	Indiana Bat	E / LE	G2 / S1S2	3	0	0	0	0
	Indiana bats use primarily caves for hibernacula, although they are occasionally found in old mine portals.									
Hart	Communities	*Calcareous mesophytic forest*		/	GNR / S5	1	0	0	0	0
Hart	Communities	*Limestone prairie*		/	GNR / S1	1	0	0	0	0
Hart	Communities	*Sinkhole/depression pond*		/	GNR / S2S3	1	0	0	0	0